

**POOL BOND 680.25(b):**  
 (b) GROUNDING AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH THE FEEDER CONDUCTORS BETWEEN THE GROUNDING TERMINAL OF THE POOL EQUIPMENT PANEL, BOARD AND GROUNDING TERMINAL OF THE APPLICABLE SERVICE EQUIPMENT OR SOURCE OR SEPARATELY DERIVED SYSTEM. FOR OTHER THAN (1) EXISTING FEEDERS COVERED IN 680.25(a), EXCEPTION, OR (2) FEEDERS TO SEPARATE BUILDING THAT DO NOT UTILIZE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ACCORDANCE WITH 680.25(b)(2), THIS EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSULATED.

**TERMINAL NOTE:**  
 CONNECTION OF CONDUCTORS TO TERMINAL PARTS SHALL ENSURE A THOROUGHLY GOOD CONNECTION WITHOUT DAMAGING THE CONDUCTORS AND SHALL BE MADE BY THE MEANS OF PRESSURE CONNECTORS (INCLUDING SET-SCREW TYPE) SOLDER LUGS, OR SPLICES TO FLEXIBLE LEADS. CONNECTION BY MEANS OF WIRE-BINDING SCREWS OR STUDS AND NUTS THAT HAVE UP-TURNED LUGS OR THE EQUIVALENT SHALL BE PERMITTED FOR 10 AWG OR SMALLER CONDUCTORS.

#### APPLICABLE CODES

- FLORIDA BUILDING CODE - RESIDENTIAL 2010
- NATIONAL ELECTRICAL CODE (NEC) 2008

#### ARC-FAULT & TAMPER RESISTANCE NOTES

1. PROVIDE ARC-FAULT CIRCUIT INTERRUPTER PROTECTION FOR ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (PER NEC 210.12)
2. PROVIDE TAMPER RESISTANCE FOR ALL RECEPTACLES. (NEC 406.12)

#### SMOKE DETECTORS:

SMOKE DETECTOR SHALL BE HARDWIRED ON A DEDICATED CIRCUIT, SHALL BE INTERCONNECTED, AND PROVIDED WITH BATTERY BACKUP. SMOKE DETECTORS SHALL COMPLY WITH NFPA 72, SECTION 29.9.2.2.

#### CARBON MONOXIDE DETECTORS:

PROVIDE CARBON MONOXIDE DETECTOR AT ALL BEDROOMS

#### DIMMERS:

PROVIDE DIMMERS AT ALL SWITCHES EXCEPT AT BATHROOMS AND CLOSETS.

#### LIGHTING COMPLIANCE:

A MINIMUM OF 50% OF LAMPS IN PERMANENTLY INSTALLED FIXTURES SHALL BE HIGH-EFFICACY LAMPS, PER FBC E404.1.

LIGHTS INSTALLED IN THE THERMAL ENVELOPE SHALL COMPLY WITH ENERGY CONSERVATION CODE 2010, SECTION 402.4.5.

#### ELECTRICAL NOTES

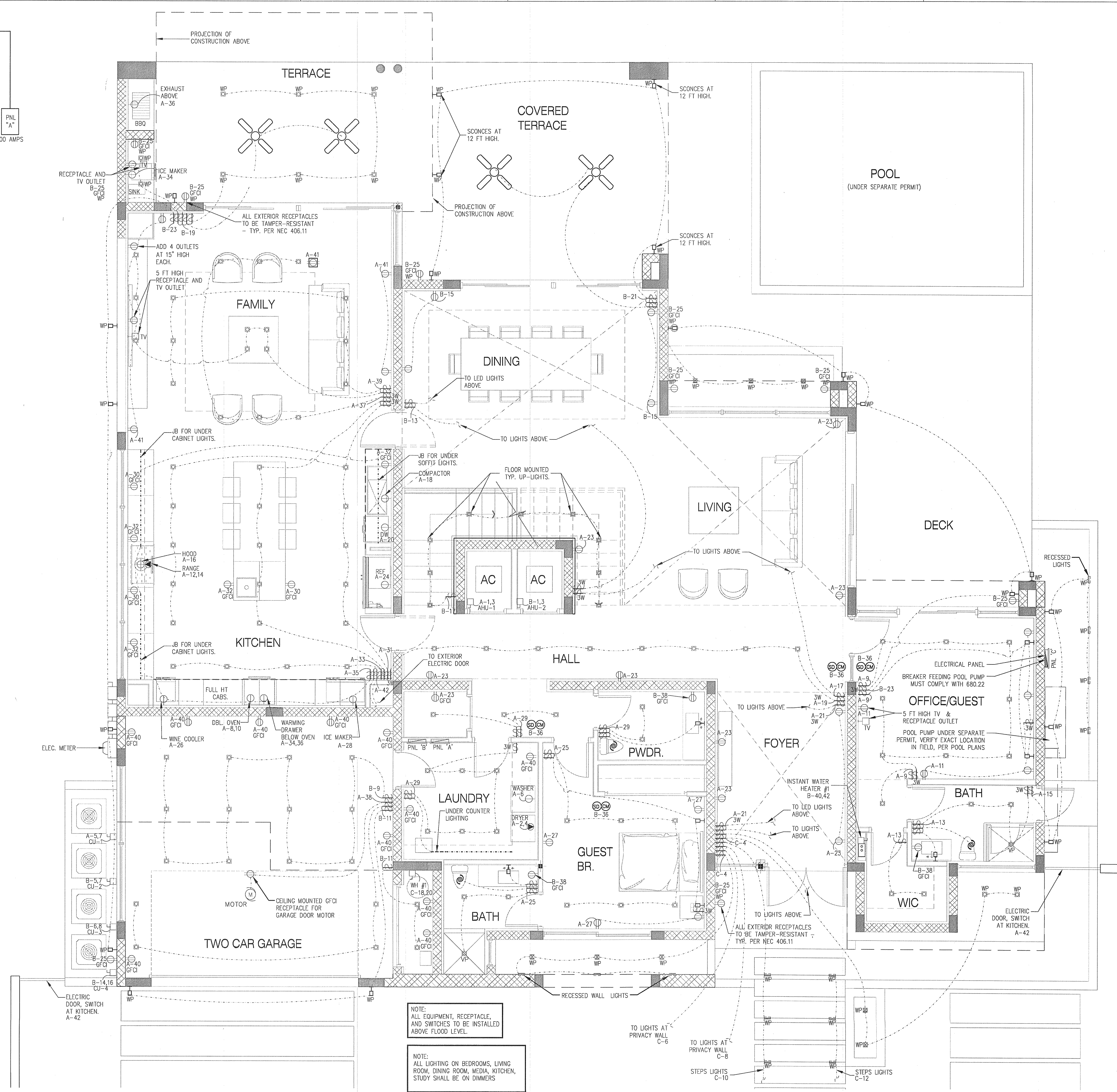
1. CONTRACTOR SHALL FURNISH ALL LABOR MATERIALS AND EQUIPMENT FOR COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH THESE DRAWINGS.
2. COMPLY WITH THE NEC AND THE FLORIDA BUILDING CODE
3. PROVIDE EMPTY CONDUITS AS REQUIRED FOR TELEPHONE SYSTEM W/ PULLSTRINGS.
4. APPLIANCE OUTLETS LOCATIONS SHALL BE COORDINATED WITH ACTUAL PURCHASED APPLIANCE
5. CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
6. A/C COMPRESSOR AND ALL ELECTRICAL CONNECTIONS SHALL BE INSTALLED ABOVE BASE FLOOD ELEVATION.
7. RECEPTACLES AND SWITCHES SHALL BE STANDARD TYPE, COLOR TO BE SELECTED BY OWNER.
8. OUTSIDE RECEPTACLES, RECEPTACLES AT BATH, GARAGE AND KITCHEN SHALL BE G.F.I.C.
9. SMOKE DETECTOR HARDWIRED TO KITCHEN OR BATHROOM LIGHTING CIRCUIT INTERCONNECTED AND WITH BATTERY BACK-UP CONNECT SMOKE DETECTOR AHEAD OF SWITCHES.
10. ELECTRICAL CONTRACTOR TO COORDINATE SERVICE WITH F.P.L.

#### EQUIPMENT INSTALLATION

ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED ABOVE FLOOD LEVEL.

#### ELECT. LEGEND

- WALL SWITCH 15 A, 125 V
- DUPLEX RECEPTACLE 15 A 125 V
- DUPLEX RECEPTACLE 15 A 125 V SWITCHED
- FLOOR MOUNTED DUPLEX RECEPTACLE 15 A 125 V
- HALF SWITCH SINGLE RECEPTACLE 20A 125 V
- 220 V. RECEPTACLE
- WALL BRACKET LIGHT
- RECESSED HI-HAT
- LOW VOLTAGE ACCENT LIGHTING
- EXTERIOR UPLIGHTS
- JUNCTION BOX
- JUNCTION BOX FOR FUTURE FAN (PROVIDE PROPER BRACING)
- PHONE OUTLET PROVIDE 3/4" STUB UP PVC CONDUIT W/ PULLSTRING.
- T.V. OUTLET
- ELECTRICAL PANEL
- ELECTRICAL METER
- DISCONNECTING SWITCH
- SMOKE DETECTOR
- CARBON MONOXIDE
- EXHAUST FAN
- LIGHT FIXTURE FOR LISTED FOR WET LOCATION
- DIMMER SWITCH.



**Permit Expeditors, LLC.**  
 786.539.9008  
 PermitExpeditors@gmail.com